

**● PRINTER RUSH ●**  
**(PTO ASSISTANCE)**

Application : 09744904 Examiner : lee GAU : 17/3  
From : ewc Location : IBC FMF FDC Date : 8-29-05

Tracking #: cpm 09744904 Week Date: 5-23-05

DOC CODE	DOC DATE	MISCELLANEOUS
<input type="checkbox"/> 1449	_____	<input type="checkbox"/> Continuing Data
<input type="checkbox"/> IDS	_____	<input type="checkbox"/> Foreign Priority
<input type="checkbox"/> CLM	_____	<input type="checkbox"/> Document Legibility
<input type="checkbox"/> IIFW	_____	<input type="checkbox"/> Fees
<input type="checkbox"/> SRFW	_____	<input type="checkbox"/> Other
<input type="checkbox"/> DRW	_____	
<input type="checkbox"/> OATH	_____	
<input type="checkbox"/> 312	_____	
<input checked="" type="checkbox"/> SPEC	<u>1-31-01</u>	

**[RUSH] MESSAGE:** \_\_\_\_\_

Specification page 326 is cut off  
at bottom of page

Thank you

**[XRUSH] RESPONSE:** \_\_\_\_\_

Dave

INITIALS: DS

NOTE: This form will be included as part of the official USPTO record, with the Response document coded as XRUSH.

REV 10/04

[Table 2]

	Type of comonomer	Amount of Comonomer mol%	Methyl branch /1000C	Hexyl branch /1000C	$[\eta]$ dl/g	*1	MFR g/10min	Mw/Mn	*2 wt%	*3 wt%	*4 wt%	*5 wt%	*6 wt%	*7 wt%	Density g/cm <sup>3</sup>	Amount of C10-soluble component wt%	*8
Example 16	-	0.0	<0.1	<0.1	3.36	3.29	0.05	22.5	-	-	-	-	-	-	0.968	-	-
Example 17	1-butene	0.7	<0.1	<0.1	3.24	3.18	0.06	21.4	0.5	-	9.0	16.2	9.5	1.5	0.957	0.05	0.14
Example 18	1-butene	0.6	<0.1	<0.1	3.01	-	not measured	14.8	-	-	-	-	-	-	0.950	-	-
Comparative Example 5	1-butene	0.8	0.6	<0.1	1.76	1.64	1.85	3.3	0.2	-	11.1	10.5	15.3	1.6	0.952	0.06	0.16
Comparative Example 6	-	0.0	0.6	-	1.23	1.10	15	6.0	-	-	-	-	-	-	0.971	-	-
Comparative Example 7	1-butene	0.8	0.3	<0.1	3.34	3.29	0.05	18.3	9.7	-	20.0	46.0	20.4	9.4	0.951	0.36	0.17

\*1 the value of  $1.85 \times \text{MFR}^{-0.192}$  in the case of  $\text{MFR} < 1$  and the value of  $1.85 \times \text{MFR}^{-0.213}$  in the case of  $\text{MFR} \geq 1$ .

\*2 the amount of components with  $\geq 500,000$  PE conversion molecular weight measured by GPC-IR in components eluted at  $\geq 105^\circ\text{C}$  in TREF

\*3 the amount of components eluted at  $\geq 105^\circ\text{C}$  in TREF

\*4 the amount of components eluted at  $\geq 106^\circ\text{C}$  in TREF

\*5 the amount of components with  $\geq 10,000$  PE conversion molecular weight in components eluted at  $\leq 75^\circ\text{C}$  in PX

\*6 the ratio of components dissolved at  $\leq 75^\circ\text{C}$  in PX to the whole copolymer before dissolution.

\*7 the ratio of components with  $\geq 10,000$  PE conversion molecular weight in components eluted at  $\leq 75^\circ\text{C}$  in PX to the whole copolymer before dissolution.

\*8 the value of  $80 \times \exp(-100 \times (d - 0.88)) + 0.1$  in the case  $\text{MFR} \leq 10$  g/10 min and the value of  $80 \times (\text{MFR} - 9)^{0.25} \times \exp(-100 \times (d - 0.88)) + 0.1$  in the case  $\text{MFR} > 10$  g/10 min.